Recreational Use Attainability Analysis

Cover Sheet

Water Body Name: Brushy Crick
Water Body Identification #: 859
Completed UAA Checklist: Pre-Field Preparatory Data Sheet Maps with actual survey sites marked Data Sheet A Data Sheet B - 3 of 3 pages for each site Number of Sites: 6 Data Sheet C (if applicable) Number of Interviews: 6 Photographs Quantities Upstream Downstream Other
I, the undersigned, hereby affirm to the best of my knowledge, that all information reported in this UAA is true and accurate.
Signed: ACJallardo Date: 07/19/2006 Printed Name: Carolina Gallardo Telephone #: (410) 35/6-8993 Organization: Tha Tech INC Position: 56/10/15+

<u>Pre-Field Preparatory Data Sheet</u> <u>for Recreational Use Stream Surveys</u>

Water Body Name: (from USGS 7.5' quad) Brushy (V	elk
8-digit HUC: N/A	Missouri Water Body Identification (WBID) #: 859
County: Pettis	301
Upstream Legal Description:	
Downstream Legal Description:	
Discharger Facility Name(s): Sedalia	- Central WWTF
Discharger Permit Number(s): MOQU	823019
Weather Conditions for Past 7 days:	t, sunny, humid

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest.

WBID # <u>859</u>
Date: <u>07/19 / 2006</u>

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet A - Water Body Identification

Water Body Name: Brushy (relk

WBID #: 859

Upstream Coordinates:
(WGS 84, ddd.ddddd) 38 71419, 93. 26294 (site 703)

Downstream Coordinates:
(WGS 84, ddd.ddddd) 38. 74523, 93. 28110 (site 698 -R)

Current Weather Conditions: Hot sunny, humid

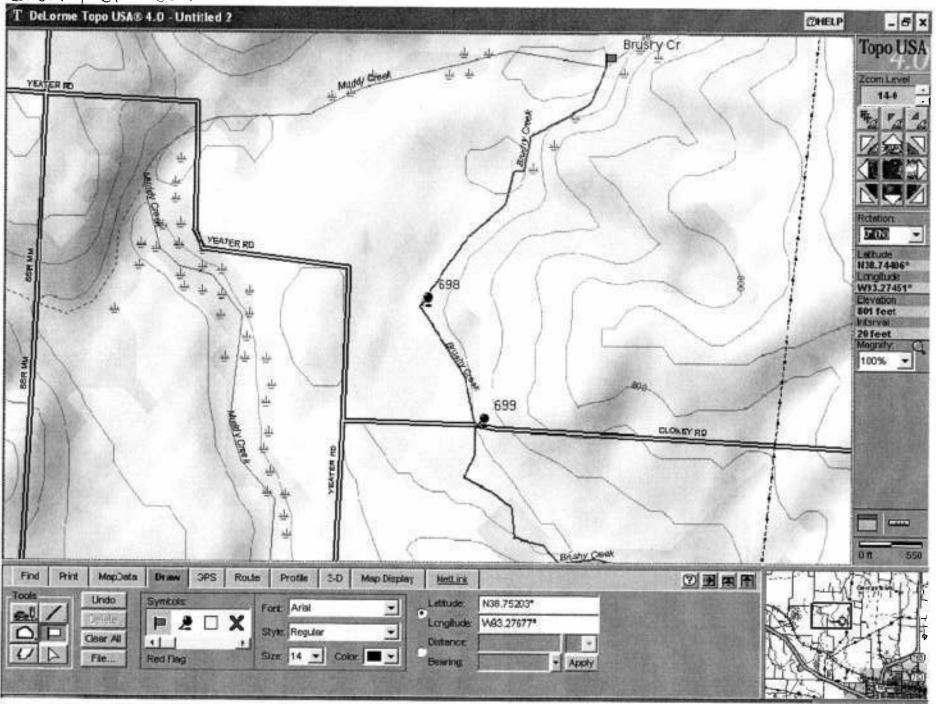
Number of Sites Evaluated: 3 regular, 3 re-visits

Name(s) of Surveyor(s):

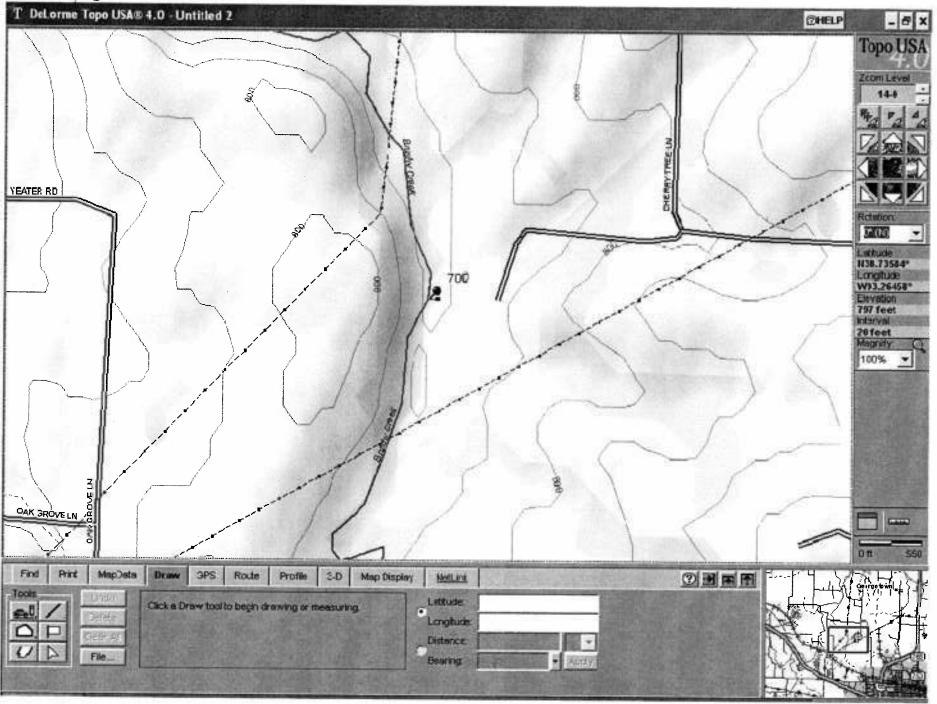
Caroling Gall ardo, Ally Dewire

Brushy Cr. Sewer Br T DeLorme Topo USA® 4.0 - Untitled 2 @HELP _ 8 X Sewer B Topo USA 928 Zoom Level /Brushy_Cr. 698 Rotation (699) 0° (N) Lattude H38.7488° Longitude W93,1828° Frederick Lake Dam-Elevation Rader Lake Dam \$51 feet 700 Indicates the elevation under the map cursor. 100% Bradford Roadside 立 MapData Route Profile Map Display 3-0 Hīglesville NetLink (P) 3 5 1 QuickSearch. Advanced results for City/Town State ZIP Code US County Category Advanced Pettis County, MO Pettis County MO (... Pettis County US County (Re-Pettis township MO (_ New Search Platte County Township or Di Petty Hollow Udall MO (... 65766 Ozark County Other Land Fee ₩ MepTegs Go To Smill to ■ Petty Spring Udali 65766 Ozark County Spring (Water I Green Ritige

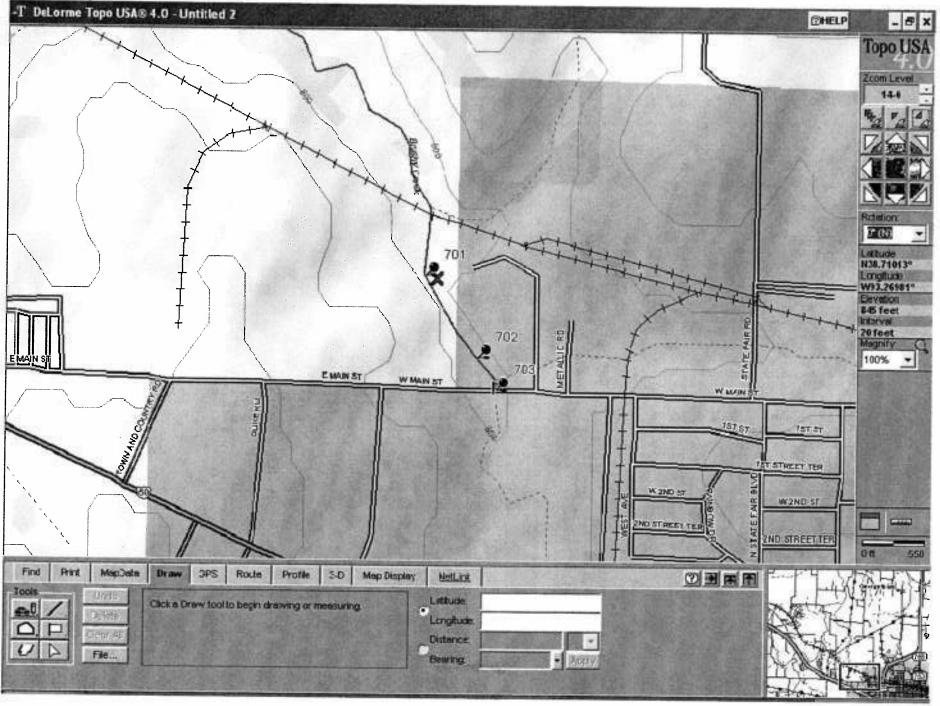
Brushy Cr 859



·Brush, Cr 859



-Brush, Cr 859



WBID # 859 Site # 698

Date: 07/19 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3 (A separate Data Sheet B must be completed for each

Latitude (ddd.dddd):			Arrival Time:	
Longitude (ddd.dddd)		ACC: 26.0 FT.	14	50
Photo Ids: Upstream:	0782	Downstream: 0783	Other:	
		6784-Fen	6	
rrative Description	of Location: (De	escribe access point to stream,	nearby roads, landmarks, etc.)
120M D D CAN D	man or clo	NEX HOAD CHOSSING	3	
rrounding Conditions of interest.)	ons*: (Mark all that	promote or impede recreationa	l uses. Attach photos of evide	ence or unusual
☐ City/county parks	☐ Playgrounds	☐ MDC conservation lands	☐ Urban areas	
☐ Boating accesses	☐ State parks	☐ National forests		☐ Campgrounds
☐ No trespass sign	Fence	☐ Steep slopes	□ Nature trails	☐ Stairs/walkway
	L PHOTO O		Other: AGAICULT	URE - 0781
man Uses Observe	d*:	784		
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	Mong of the cham	Пол
Describe: (include num	ber of individuals rec	reating, frequency of use, photo	o-documentation of evidence	of recreational uses, e
		,		, ,
dence of Human Us	se*:			
□ Roads	☐ Foot paths/prin	ts Dock/platform	☐ Livestock Watering	☐ RV / ATV Track
	☐ Camping Sites	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
☐ Rope swings				1 Ishing Tackle
☐ Rope swings ☐ Other: NONE				
Other: NONE	.g., trash dumping, tii	es, drainages, discharges, etc.)		

QC1,07-19-06 Jufut

ate: 07 /	19 / 2006	698			4
		ata Sheet B - Site Ch	naracterization – 2 of	3	
ream Mor _] Upstream	phology: View Physical D	Dimensions: 0.55	0.0.45. 0.55m		
	Distance from access point (m)	Width ()	Length (m)	Avg. Depth (m)	Max Depth (m)
□ Riffle					
☑ Run	150	7.6	25	0.52	0.57
□ Pool					
☑ Flow	Present?	es 🗆 No	Velocity (ft/sec):	- 8 <	
	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
	access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle ☐ Run					
□ Run DY Pool	150				
Flow		4,8	30	0.64	0.65
™ rlow	Present? Y	es 🗆 No	Velocity (ft/sec):	77s	****
	These values should	add up to 100%.)			
bstrate*: (These values should Cobble 30 %		Sand % Silt	% Mud/Clay	% Bedroc
bstrate*: (Cobble 30 %	% Gravel 10 % S			% Bedroc
bstrate*: (10 %	Cobble 30 %	% Gravel 10 % S	Sand % Silt		% Bedroc
bstrate*: (Cobble 30 %	% Gravel 10 % S			% Bedroc
bstrate*: (10 %	Cobble 30 %	% Gravel 10 % S			% Bedroc
bstrate*: (10 % uatic Vege N อ พ ยี	tation*: (Note amo	% Gravel 10 % Sount of vegetation or algal			% Bedroc
bstrate*: (10 % uatic Vege N อ พ ยี	Cobble 30 %	ount of vegetation or algal		ite.)	% Bedroc

 \square Foam

☐ Fine sediments

None

☑ None

☐ Other:

☐ Other:

Bottom Deposit:

Surface Deposit:

□ Sludge

□ Oil

□ Solids

☐ Scum

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

_
•
•

WBID	#	851	_ Site	#	6	13	

Date: 07/19 / 2006

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).	.1
NONE	

WBID # <u>859</u> Site # 698

Date: 07 / 19 / 2006

NONE

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

		•	,	. 10
	in the area? Word long have you			
2. Have you pe If so, ple	rsonally used th	is water body for rethat apply:	ecreation since 1975?	□ Yes □ No
	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
	G 1 – 5 time G Less than	1 time per year – p	lease describe:	
If so, plea	ase check ALL t	hat apply:		1 10
Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	Other:
(G More than $1-5$ times		for recreation? ease describe:	
4. Additional Co	omments:			
Contact Informa Name:	ation (if willing	to provide):		

Address:

Telephone #:

WBID # 859 Site # 699

Date: 07 / 19 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

Latitude (ddd.dddd):				Arrival Time:	
Longitude (ddd.dddd):	(193 280/A A	<i>(t .</i>	0.PG	10	130
Photo Ids: Upstream:	0775 J	Down:	stream: 0776	Other:	
		0	777- SIGN	0778- TMAJ#	
rrative Description	of Location: (De	scribe	access point to stream, ne	arby roads, landmarks, etc.)	r
AT CLONEY	ROAD Choss	I~ (
rounding Condition	ns*: (Mark all that	oromo	te or impede recreational u	uses. Attach photos of evide	nce or unusual
s of interest.)		T		-	noo or unasuar
☐ City/county parks	☐ Playgrounds		MDC conservation lands	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks		National forests	☐ Nature trails	☐ Stairs/walkway
☑ No trespass sign	☐ Fence	□s	teep slopes	Other: AGAICULT	Δű
LSEE PHOTO				1 7,01,30007	//···
man Uses Observed	<u>i*:</u>				
☐ Swimming	☐ Skin diving		☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking		☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping		☐ Fishing	☑ None of the above	☐ Other:
Describe: (include numb	per of individuals rec	reating	g, frequency of use, photo-	documentation of evidence	of recreational uses, e
lence of Human Us	ie*:				
	se*: ☐ Foot paths/prin	ts	☐ Dock/platform	☐ Livestock Watering	□ RV / ATV Track
Z Roads		ts	☐ Dock/platform☐ Fire pit/ring	<u> </u>	
✓ Roads ☐ Rope swings	☐ Foot paths/prin☐ Camping Sites			☐ Livestock Watering ☐ NPDES Discharge	☐ RV / ATV Track ☐ Fishing Tackle
dence of Human Us ✓ Roads ✓ Rope swings ✓ Other: TMASH	☐ Foot paths/prin☐ Camping Sites			<u> </u>	
Roads Rope swings Other: TMASH rces of Pollution: (e	☐ Foot paths/prin☐ Camping Sites	78	☐ Fire pit/ring	<u> </u>	
✓ Roads ✓ Rope swings ✓ Other: TMASH.	☐ Foot paths/prin☐ Camping Sites	78		<u> </u>	□ RV / ATV Track □ Fishing Tackle

Q11:07-19-2006

	19 / 2006				
	Data	a Sheet B - Site Cha	racterization – 2	of 3	
eam Morj Upstream		nensions: 이거니, 이.	34, 0·35~		
	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle					
□ Run					
□ Pool	30	4.9	30	0.35	0136
□ Pool ☑ Flow	Present? Yes	4.9 □ No	30 Velocity (ft/sec):	- 	0/56
☑ Flow	Present? Yes	□ No	Velocity (ft/sec):	0.35 In = 85	0176
☑ Flow	Present? Yes		Velocity (ft/sec):	- 	
☑ Flow	Present? Yes Am View Physical I Distance from	□ No Dimensions: 0.61 (Velocity (ft/sec):	In= 85	
☑ Flow Downstrea	Present? Yes Am View Physical I Distance from	□ No Dimensions: 0.61 (Velocity (ft/sec):	In= 85	
☑ Flow Downstrea □ Riffle	Present? Yes Am View Physical I Distance from	□ No Dimensions: 0.61 (Velocity (ft/sec):	Avg. Depth (m)	Max Depth (m)
☐ Flow Downstrea ☐ Riffle ☐ Run	Present? Yes Im View Physical I Distance from access point (m)	□ No Dimensions: 0.61 (Width (m)	Velocity (ft/sec): 0.57, 0.50 Length (m)	Avg. Depth (m) 0.56	Max Depth (m)
☐ Riffle ☐ Run ☐ Pool ☐ Flow	Present? Yes Im View Physical I Distance from access point (m) 25 Present? Yes	□ No Dimensions: 0.61 (Width (m)	Velocity (ft/sec): ひ・らつ。 もっらいへ Length (m)	Avg. Depth (m) 0.56	Max Depth (m)
☐ Riffle ☐ Run ☐ Pool ☐ Flow	Present? Yes Im View Physical I Distance from access point (m) 25 Present? Yes These values should add	□ No Dimensions: 0.61 (Width (m)	Velocity (ft/sec): O.57, 0.50~ Length (m) Z5 Velocity (ft/sec): 1,	Avg. Depth (m) 0.56	Max Depth (m)

Water Characteristics*: (Mark all that apply.)	

Odor:	□ Sewage	☐ Musky	☐ Chemical	None	☐ Other:	
Color:	Clear	☐ Green	☐ Gray	☐ Milky	☐ Other:	
Bottom Deposit:	□ Sludge	☐ Solids	☐ Fine sediments	□ None	☑ Other: ≤A,VD	
Surface Deposit:	□ Oil	□ Scum	☐ Foam	None	☐ Other:	

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WBID #_	859	Site # _	699
Date: _ 07	/ 19 /	2006	

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).	
Nong	_
	_
	_

WBID#859	_Site#	699
----------	--------	-----

Date: 07 / 19 / 2006

NONE

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

1. Do you live	in the area?		sary for multiple inter	views)
2. Have you pe		s water body for re	ecreation since 1975?	□ Yes □ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
3. Have you obs	G 1 – 5 times G Less than served others usi	5 times per year s per year l time per year – p	lease describe:	975? □ Yes □ No
☐ Swimming	se check ALL tl	nat apply: ☐ SCUBA diving	Пты	
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Tubing	☐ Water skiing
☐ Hunting	☐ Trapping	☐ Fishing	☐ Wading ☐ None of the above	☐ Rafting ☐ Other:
(G More than $1 - 5 \text{ times}$ G Less than 1	rved it being used to times per year per year time per year – pl		
Contact Informa Name:		o provide):		

Address:

Telephone #:

WBID # 859 Site # 700

Date: 07/14/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

Latitude (ddd.dddd):	39,74230	Arrival Time:			
Longitude (ddd.dddd):	○43. 28 083	ACL: 39.4FT.	1450)	
Photo Ids: Upstream:		Downstream: 0780	Other:		
	•	0781 - FEA	se 6		
arrative Description	of Location: (De	scribe access point to stream, ne	arby roads, landmarks, etc.)		
150 M UPTERAM	OF CLONGY MO	SAD CM 635 ING.	÷		
urrounding Conditio	me*• (Mark all that a	promote or impede recreational	ogga Attack skata s C 1		
ems of interest.)	. (Wark arr mat)	promote of impede recreationar	uses. Attach photos of evide	nce or unusual	
☐ City/county parks	☐ Playgrounds	☐ MDC conservation lands	☐ Urban areas	☐ Campgrounds	
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	☐ Stairs/walkway	
□ No trespass sign ☑ Fence ☑ Steep slopes ☑ Other: AGAICULTURE					
W OI	Lace PHO-	70 0781			
uman Uses Observed					
	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing	
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting	
☐ Hunting	☐ Trapping	☐ Fishing	☑ None of the above	☐ Other:	
Describe: (include numl	ber of individuals rec	reating, frequency of use, photo	-documentation of evidence	of recreational uses, etc.)	
		,			
oddan a CII II					
vidence of Human Us			T		
Roads	☐ Foot paths/prin		☐ Livestock Watering	□ RV / ATV Tracks	
☐ Rope swings	☐ Camping Sites	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle	
Other: None					
urose of Dollutions		1 1 1			
Purces of Pollution: (e	e.g., trash dumping, ti	res, drainages, discharges, etc.)			

QL:07-19-2006

	59 Site # _ 7	00				4
Date: <u>07 /</u>	19 / 2066					
	Data	a Sheet B - Site Ch	aracteriza	ıtion – 2 of 3	i	
Stream Mor Upstream	phology: Niew Physical Din	nensions. 0.41. 5	115 N.U.	o .		
	Distance from access point (m)	Width (m)		yth (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle						
□ Run						
☑ Pool	150	3.8	3	55	0.46	0.48
Flow	Present? Yes	□ No	Velocity ((ft/sec): [m	:75	
Downstre :	am View Physical I	Dimensions: 0.47	, 0.46.0	1138M		
	Distance from access point (m)	Width (m)	Leng	th (m)	Avg. Depth (m)	Max Depth (m)
□ Riffle						
☐ Run						
[Pool	150	5.1	1	a	0.44	0.47
☐ Flow	Present?	☑ No	Velocity (ft/sec):		
	(These values should ad	d up to 100%.)				
5 %	Cobble 25 % (Gravel % S	Sand	% Silt	% Mud/Clay	70 % Bedrocl
Aquatic Veg	etation*: (Note amoun	it of vegetation or algal	growth at th	e assessment si	te.)	
None						
Water Chara	acteristics*: (Mark all	l that apply.)				
Odor:	☐ Sewage	□ Muskv □	Chemical	M None	□ Other:	

*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

☐ Foam

☐ Gray

☐ Fine sediments

☐ Milky

None

None

 \square Other:

☐ Other:

☐ Other:

Color:

Bottom Deposit:

Surface Deposit:

Clear

☐ Sludge

□ Oil

☐ Green

☐ Solids

☐ Scum

- 1	

WBID # 959 Site # 700

Date: 07 / 14 / 2816

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).	
NONG	

WBID # 859 Site # 200

Date: 07 / 19 / 2016

Nove

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

for multiple interviews)

-	n the area?	-	sary for multiple interv	views)
	rsonally used things check ALL t		creation since 1975?	□ Yes □ No
	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
3. Have you obs	G 1 – 5 times G Less than served others us	5 times per year s per year 1 time per year – pi	lease describe: for recreation since 1	
	se check ALL t		I	
Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
	G More than $1-5$ times		for recreation? ease describe:	
4. Additional Co	omments:			
Contact Informa Name:	ation (if willing	to provide):		

Address:

Telephone #:

WBID # <u>959</u> Site # <u>701</u> Date: 17/19/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3 (A senarate Data Sheet B must be completed from 1

		Sne	et B must be completed	for each site)	
Latitude (ddd.dddd): 3	B.71593			Arrival Time:	
Longitude (ddd.dddd):	93.24468	125	55		
Photo Ids: Upstream:		Down	stream:	Other:	
1200	1		[2]0	1212	7
		***		· · · · · · · · · · · · · · · · · · ·	
Narrative Description	of Location: (De	scribe	e access point to stream, ne	arby roads, landmarks, etc.	.)
\sim 260 m D	s of Mai	M	Street brid	ge chossing.	
Surrounding Condition items of interest.)	ns*: (Mark all that p	oromo	ote or impede recreational u	ises. Attach photos of evid	ence or unusual
☐ City/county parks	☐ Playgrounds		MDC conservation lands	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks		National forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence		Steep slopes	Other: WWTF	
Human Uses Observed	*•			1	
☐ Swimming	☐ Skin diving		☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking		☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping		☐ Fishing	None of the above	Пол
Describe: (include numbe	er of individuals reco	eatin	g, frequency of use, photo-	documentation of evidence	of recreational uses, etc.)
Evidence of Human Use	*•				
Roads	☐ Foot paths/print	s	☐ Dock/platform	☐ Livestock Watering	□ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites		☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
Other: TV45h	(1212)				
Sources of Pollution: (e.g	., trash dumping, tir	es, dr	ainages, discharges, etc.)		
Trash 1:	112)				
	_				

QC:AD

	ν.	4- CL . A D. CL . CL			
	Da	ta Sheet B - Site Ch	naracterization – 2 (of 3	
eam Morp Upstream '	hology: View Physical Di	mensions:			
	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m
□ Riffle					
□ Run					
Pool	250	5.5	10	0.1	0.2
Flow	Present? Yes	s □ No	Velocity (ft/sec):	0.05 m/sec	
Downstrea	Distance from access point (m)	Dimensions: Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m
□ Riffle	access point (iii)			g, – opon (m)	Trax Depth (III)
□ Run					
Pool	275m	6.0m	1500	0,3n	0.352
Flow	Present? X Yes		Velocity (ft/sec): D	1.W/c	0.73%
				.* '3	
	These values should accept the				
20 % 0	Cobble 40 %	Gravel % S	Sand % S	Silt % Mud/Clay	40 % Bedro
atic Veget	ation*: (Note amou	nt of vegetation or algal	growth at the assessmen	t cita)	

Water Characteristics*: (Mark all that apply.)

Odor: ☐ Sewage ☐ Musky None ☐ Chemical ☐ Other: Color: Clear ☐ Green ☐ Gray ☐ Milky ☐ Other: **Bottom Deposit:** ☐ Sludge ☐ Solids Fine sediments ☐ None ☐ Other: None Surface Deposit: ☐ Oil ☐ Scum ☐ Foam ☐ Other:

QC: AO

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WBID # 859 Site # 701

Date: 07/19 / 2006

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any deconditions, problems in measuring, si	epartures from protocol and the reasons for departure (e.g., unanticipated unique local te relocation).

WBID # <u>859</u> Site # <u>701</u> Date: <u>07/19/2006</u>

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C - Interviews

1. Do you live in the area? ☐ Yes ☐ No If so, how long have you lived here?								
2. Have you personally used this water body for recreation since 1975? ☐ Yes ☐ No If so, please check ALL that apply:								
	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing				
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting				
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:				
How often do you use it for recreation? G More than 5 times per year G 1-5 times per year Less than 1 time per year – please describe: 3. Have you observed others using this water body for recreation since 1975? Yes No								
☐ Swimming	se check ALL the Skin diving	nat apply: ☐ SCUBA diving	☐ Tubing	U Water shill				
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Water skiing ☐ Rafting				
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:				
How often have you observed it being used for recreation? G More than 5 times per year G 1 - 5 times per year G Less than 1 time per year - please describe:								
4. Additional Co	omments:							
Contact Informa Name:	tion (if willing t	o provide):						

Address:

Telephone #:

WBID # <u>859</u> Site # <u>702</u>

Date: 07/19/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

		Diice	or D must be completed	for each site)		
Latitude (ddd.dddd):	Latitude (ddd.dddd): 38.71480				Arrival Time:	
Longitude (ddd.dddd):	Longitude (ddd.dddd): 93.24355				1245	
Photo Ids: Upstream:	Photo Ids: Upstream: Downstream:			Other:		
120	5		1206		1207,1208	
Narrative Description	Narrative Description of Location: (Describe access point to stream, nearby roads, landmarks, etc.)					
N70m05	N70m05 of Main strut bridge crossing.					
Surrounding Condition items of interest.)	ns*: (Mark all that]	oromo	ote or impede recreational u	ses. Attach photos of	f evider	nce or unusual
☐ City/county parks	☐ Playgrounds		MDC conservation lands	☐ Urban areas		☐ Campgrounds
☐ Boating accesses	☐ State parks		National forests	☐ Nature trails		☐ Stairs/walkway
☐ No trespass sign	☐ Fence		Steep slopes	Sother: WWTP		
Human Uses Observed	*:					
☐ Swimming	☐ Skin diving		☐ SCUBA diving	☐ Tubing		☐ Water skiing
☐ Wind surfing	☐ Kayaking		☐ Boating	☐ Wading		☐ Rafting
☐ Hunting	☐ Trapping		☐ Fishing	None of the ab	ove	Пон
Describe: (include numb	Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)					
Evidence of Human Use*:						
☐ Roads	☐ Foot paths/prin	ts	☐ Dock/platform	☐ Livestock Water	ring	□ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites		☐ Fire pit/ring	□ NPDES Dischar	ge	☐ Fishing Tackle
Other: Trash						
Sources of Pollution: (e.	Sources of Pollution: (e.g., trash dumping, tires, drainages, discharges, etc.)					
Trash (1207, 1208)						

WBID # 859 Site # 702 Date: <u>07/19</u>/2006

Data Sheet B - Site Characterization - 2 of 3

Stream Morphology: **Upstream View Physical Dimensions:** Distance from Width (m) Length (m) Avg. Depth (m) Max Depth (m) access point (m) \square Riffle 60 1.4M À Run 10 OA0.14 ☐ Pool Velocity (ft/sec): 0.22 M/S ¥es **H**Flow Present? □ No **Downstream View Physical Dimensions:** Distance from Width (m) Length (m) Avg. Depth (m) access point (m) Max Depth (m) □ Riffle □ Run X Pool 20 0-1 Z Yes Flow Velocity (ft/sec): Present? □ No Substrate*: (These values should add up to 100%.) 45% Gravel 25% Cobble % Sand % Silt % Mud/Clay 37) % Bedrock Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)

Abundant amounts of algge ~ 70%.

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	None	☐ Other:	Marie
Color:	Clear	X Green	☐ Gray	☐ Milky	☐ Other:	
Bottom Deposit:	□ Sludge	☐ Solids	Fine sediments	□ None	☐ Other:	
Surface Deposit:	□ Oil	□ Scum	□ Foam	None	☐ Other:	
			<u> </u>			

QC:AD

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WBID # <u>859</u> Site # <u>702</u>

Date: <u>07/19 / 2006</u>

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).	

WBID # <u>859</u> Site # <u>702</u>

Date: 07/ 19/ 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C - Interviews

(Make additional copies as necessary for multiple interviews)

 Do you live in the area? ☐ Yes ☐ No If so, how long have you lived here? 								
2. Have you personally used this water body for recreation since 1975? ☐ Yes ☐ No If so, please check ALL that apply:								
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing				
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting				
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:				
How often do you use it for recreation? G More than 5 times per year G 1 - 5 times per year G Less than 1 time per year - please describe:								
3. Have you obs	served others using the check ALL to	ing this water body hat apply:	for recreation since 1	975? □ Yes □ No				
	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing				
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting				
☐ Hunting	□ Trapping	☐ Fishing	☐ None of the above	☐ Other:				
How often have you observed it being used for recreation? G More than 5 times per year G 1 - 5 times per year G Less than 1 time per year - please describe:								
4. Additional Co	omments:							
Contact Informa Name:	tion (if willing t	o provide):						

Address:

Telephone #:

WBID # 859 Site # 703

Date: 07/19/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

	•			i for each site)		
Latitude (ddd.dddd): 38.71419				Arrival Time:		
Longitude (ddd.dddd):	Longitude (ddd.dddd): 93 - 26294				1230	
Photo Ids: Upstream:		Down	stream:	Other:		
120)		1202	1203, 120	χ_{1}	
Narrative Description	of Location: (De	scribe	e access point to stream, nea	arby roads, landmarks, etc.)		
at Main	Street br	100	ge crossing	} ·	70	
))		
C 11 C 11	_					
Surrounding Condition items of interest.)	18*: (Mark all that p	oromo	ote or impede recreational u	ses. Attach photos of evide	nce or unusual	
☐ City/county parks	☐ Playgrounds		MDC conservation lands	☐ Urban areas	☐ Campgrounds	
☐ Boating accesses	☐ State parks	<u> </u>	National forests	☐ Nature trails	☐ Stairs/walkway	
☐ No trespass sign	☐ Fence		steep slopes	OXOther: WWTP		
Human Uses Observed	*:					
☐ Swimming	☐ Skin diving		☐ SCUBA diving	☐ Tubing	☐ Water skiing	
☐ Wind surfing	☐ Kayaking	***	☐ Boating	☐ Wading	☐ Rafting	
☐ Hunting	☐ Trapping ☐ Fishing		☐ Fishing	None of the above	T 041-	
Describe: (include numbe	er of individuals reco	reatin	g, frequency of use, photo-	documentation of evidence	of recreational uses, etc.)	
Evidence of Human Use*:						
Roads	☐ Foot paths/prin	ts	☐ Dock/platform	☐ Livestock Watering	□ RV / ATV Tracks	
☐ Rope swings	☐ Rope swings ☐ Camping Sites		☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle	
Other: Tyash (1204), run off ditch (1203)						
C CD 11						
Sources of Pollution: (e.g	Sources of Pollution: (e.g., trash dumping, tires, drainages, discharges, etc.)					
Trash (1204), run off ditch (1203)						

WBID #_	859	Site #	703
Date: 07	1191	2006	

Bottom Deposit:

Surface Deposit:

☐ Sludge

□ Oil

Data Sheet B - Site Characterization - 2 of 3 Stream Morphology: **Upstream View Physical Dimensions:** Distance from Width (m) Length (m) Avg. Depth (m) Max Depth (m) access point (m) ☐ Riffle □ Run 20 N Pool 6.5 10 > 1**E**Flow X No Velocity (ft/sec): Present? ☐ Yes **Downstream View Physical Dimensions:** Distance from Width (m) Length (m) Avg. Depth (m) Max Depth (m) access point (m) ☐ Riffle □ Run 2.6 15 [XPool 0.2 ク.3 ☑ Flow Velocity (ft/sec): ☐ Yes 10 No Present? Substrate*: (These values should add up to 100%.) 25% Cobble 25 % Gravel (1) % Sand % Silt % Mud/Clay 40% Bedrock Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.) na and attached algge Water Characteristics*: (Mark all that apply.) Odor: ☐ Sewage ☐ Musky ☐ Chemical None ☐ Other: Color: Clear ☐ Green ☐ Gray ☐ Milky ☐ Other:

☐ Foam

Fine sediments

□ None

None

☐ Other:

☐ Other:

QC: AD

☐ Solids

□ Scum

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WBID # <u>859</u> Site # <u>703</u>

Date: <u>07/19/2006</u>

Data Sheet B - Site Characterization - 3 of 3

omments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique inditions, problems in measuring, site relocation).	local

WBID # 859 Site # 703

Date: 67/19/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

 Do you live in the area? ☐ Yes ☐ No If so, how long have you lived here? 							
2. Have you personally used this water body for recreation since 1975? ☐ Yes ☐ No If so, please check ALL that apply:							
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing			
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting			
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:			
How often do you use it for recreation? G More than 5 times per year G 1 - 5 times per year Less than 1 time per year - please describe: 3. Have you observed others using this water body for recreation since 1975? Yes No							
☐ Swimming	se check ALL tl						
☐ Wind surfing	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing			
☐ Hunting	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting			
Trunting	☐ Trapping	☐ Fishing	☐ None of the above	Other:			
How often have you observed it being used for recreation? G More than 5 times per year G 1-5 times per year C Less than 1 time per year – please describe:							
4. Additional Co							
Contact Informa Name:	tion (if willing t	o provide):					

Address:

Telephone #:



Site# 698 Photo ID# 0782, Upstream



Site# 698 Photo ID# 0784, Fence



Site# 698 Photo ID# 0783, Downstream



Site# 699 Photo ID# 0775, Upstream



Site# 699 Photo ID# 0776, Downstream



Site# 699 Photo ID# 0778, Trash



Site#699 Photo ID# 0777, No trespass sign



Site# 700 Photo ID# 0779, Upstream



Site# 700 Photo ID# 0780, Downstream



Site# 701 Photo ID# 1209, Upstream



Site# 700 Photo ID# 0781, Fence



Site# 701 Photo ID# 1210, Downstream



Site# 701 Photo ID# 1212, Trash



Site# 702 Photo ID# 1206, Downstream



Site# 702 Photo ID# 1205, Upstream



Site# 702 Photo ID# 1207, Trash



Site# 702 Photo ID# 1208, Trash



Site# 703 Photo ID# 1202, Downstream



Site# 703 Photo ID# 1201, Upstream



Site# 702 Photo ID# 1203, Trash



Site# 703 Photo ID# 1204, Trash